UTA128

USB ISDN TA 128K

Introduction

ISDN (Integrated Service Digital Network) is the most convenient and economical way to use the existing copper wire for both voice and data communication.

With the USB ISDN TA, data transmission rate can reach up to 128K. It can not only provides 128K transmission but also allows voice conversation and fast Internet Access simultaneously.

The USB ISDN TA is a low cost USB ISDN modem for applications like INTERNET ACCES and FAX capabilities.

EASY access due to plug and play features via USB bus and low cost due to host processing concept and remote powering via USB bus features.

Specifications

Application

- Answering Machine with BVRP or RVS-COM
- Euro File Transfer with BVRP or RVS-COM
- Fax with BVRP or RVS-COM
- Internet Access
- Phone with BVRP or RVS-COM

Hardware Interface

- ISDN S/T
- USB

LED

- Power
- B1
- B2

OS

- Windows 2000
- Windows 98
- Windows ME
- Windows XP

Switch Protocol

- DSS1: Euro-ISDN

Software Interface

- CAPI 2.0
- ISDN WAN Miniport

S/T ISDN Interface

- Support OSI level 1 conform to UIT-T I.430 for basic access at S and T interfaces (ETSI 300012/ANSI T1.605)
- Line interface transformer direct drive
- 2 B channels at 64kbps each plus 1 D channel at 16kbps
- All I.430 wiring configurations supported including passive bus for TE'S distributed point to point and point to multipoint
- Multiframe support
- Analog part: included with adaptive detection threshold and equalizer

USB Interface

- USB 1.0 specification full compliance, 1.1 specification compatibility (1.1 power management compliance), 12 Mbps full speed
- On-chip USB transceiver with digital PLL
- 6 isochronous endpoints for B1, B2 ,D channels data. Interrupt endpoint for I430
- ISDN protocol and data.control endpoint for USB standard plus vendor specific request
- Communication device class and vendor requests
- Bus or self powered application (pin programmable)
- Onnow power management (D0, D2, D3) suspend mode compliance
- Pin programmable high/low power USB device regis tration, wake-up capability, USB device identification

General

- USB hot plug and play interface
- Control access and interrupt handling provided through the USB interface
- All FIFOS and FIFOS management needed in-cluded for USB/ISDN data processing
- Internal PLL to generate the USB 48MHz clock from a 15.36MHz crystal
- Internal regulator for 3.3V generation from USB bus 5V
- 48 pin TQFP package
- 0.35 micron HCMOS 6 process

System Requirements

- An USB port
- A floppy disk drive
- A CD-ROM drive
- Microsoft Windows 98/2000/ME/XP
- USB ISDN TA